

## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/609,705 B  
Source: PCT  
Date Processed by STIC: 9-23-2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER  
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. Hand Carry directly to:  
U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202  
Or  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,  
2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,  
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

Does Not Comply  
Corrected Diskette Needed



PCT

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/009,705B

DATE: 10/02/2002

TIME: 09:44:01

Input Set : N:\Crf4\09232002\J009705.raw  
Output Set: N:\CRF4\10022002\J009705B.raw

1 <110> APPLICANT: Ruprecht-Karls-Universitaet, Heidelberg  
2 <120> TITLE OF INVENTION: Method for the specific detection and identification of retroviral

3 nucleic acids/retroviruses in a specimen  
4 <130> FILE REFERENCE: Seifarth  
5 <140> CURRENT APPLICATION NUMBER: US/10/009,705B  
6 <141> CURRENT FILING DATE: 2002-09-04  
7 <150> PRIOR APPLICATION NUMBER: DE 199 21 419.0  
8 <151> PRIOR FILING DATE: 1999-05-08  
9 <160> NUMBER OF SEQ ID NOS: 4  
10 <170> SOFTWARE: PatentIn version 3.1  
12 <210> SEQ ID NO: 1  
13 <211> LENGTH: 18  
14 <212> TYPE: DNA  
15 <213> ORGANISM: Homo sapiens  
16 <220> FEATURE:  
17 <221> NAME/KEY: misc\_feature  
18 <222> LOCATION: (6)..(6)  
19 <223> OTHER INFORMATION: n is a highly degenerate oligonucleotide sequence

~ can only represent  
a single nucleotide

20 &lt;400&gt; SEQUENCE: 1

18

W--&gt; 21 aragtnytdy chcmrggh

23 &lt;210&gt; SEQ ID NO: 2

24 &lt;211&gt; LENGTH: 18

25 &lt;212&gt; TYPE: DNA

26 &lt;213&gt; ORGANISM: Homo sapiens

27 &lt;220&gt; FEATURE:

28 &lt;221&gt; NAME/KEY: misc\_feature

29 &lt;222&gt; LOCATION: (1)..(1)

30 &lt;223&gt; OTHER INFORMATION: n is a highly degenerate oligonucleotide sequence

31 &lt;400&gt; SEQUENCE: 2

18

W--&gt; 32 nwddmkdtya tcmayrwa

34 &lt;210&gt; SEQ ID NO: 3

35 &lt;211&gt; LENGTH: 21

36 &lt;212&gt; TYPE: DNA

37 &lt;213&gt; ORGANISM: Homo sapiens

38 &lt;220&gt; FEATURE:

39 &lt;221&gt; NAME/KEY: misc\_feature

40 &lt;222&gt; LOCATION: (1)..(21)

41 &lt;223&gt; OTHER INFORMATION: Primer sequence allows amplification of reverse transcriptase-

42 related sequences by multiplex PCR

43 &lt;400&gt; SEQUENCE: 3

44 tkkammskvy trcyhcargg g

46 &lt;210&gt; SEQ ID NO: 4

.. 21

47 <211> LENGTH: 21

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/009,705B

DATE: 10/02/2002  
TIME: 09:44:01

Input Set : N:\Crf4\09232002\J009705.raw  
Output Set: N:\CRF4\10022002\J009705B.raw

48 <212> TYPE: DNA  
49 <213> ORGANISM: Homo sapiens  
50 <220> FEATURE:  
51 <221> NAME/KEY: misc\_feature  
52 <222> LOCATION: (1)..(21)  
53 <223> OTHER INFORMATION: Primer sequence allows amplification of reverse transcriptase-  
54 related sequences by multiplex PCR  
55 <400> SEQUENCE: 4  
56 mdvhdrbmdk ymayvyahkk a

21

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 10/02/2002  
PATENT APPLICATION: US/10/009,705B TIME: 09:44:02

Input Set : N:\CrF4\09232002\J009705.raw  
Output Set: N:\CRF4\10022002\J009705B.raw

**Please Note:**

Please Note: Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 6  
Seq#:2; N Pos. 1

### Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:1; Line(s) 2  
Seq#:3; Line(s) 41  
Seq#:4; Line(s) 53

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/009,705B

DATE: 10/02/2002

TIME: 09:44:02

Input Set : N:\Crf4\09232002\J009705.raw  
Output Set: N:\CRF4\10022002\J009705B.raw

L:21 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:0  
L:32 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:2 after pos.:0



PCT

RAW SEQUENCE LISTING DATE: 04/22/2003  
PATENT APPLICATION: US/10/009,705C TIME: 16:47:04

Input Set : A:\Seifarth2ST25.txt  
Output Set: N:\CRF4\04222003\J009705C.raw

3 <110> APPLICANT: Ruprecht-Karls-Universitaet, Heidelberg  
W--> 4 <120> TITLE OF INVENTION: Method for the specific detection and identification  
W--> 5 of retroviral nucleic acids/retroviruses in a specimen  
W--> 6 <130> FILE REFERENCE: Seifarth  
W--> 7 <140> CURRENT APPLICATION NUMBER: US/10/009,705C  
C--> 8 <141> CURRENT FILING DATE: 2002-11-06  
9 <150> PRIOR APPLICATION NUMBER: DE 199 21 419.0  
10 <151> PRIOR FILING DATE: 1999-05-08  
W--> 11 <160> NUMBER OF SEQ ID: 4  
12 <170> SOFTWARE: PatentIn version 3.1  
W--> 13 <210> SEQ ID NO: 1  
14 <211> LENGTH: 18  
15 <212> TYPE: DNA  
16 <213> ORGANISM: Homo sapiens  
W--> 17 <220> FEATURE:  
18 <221> NAME/KEY: misc\_feature  
19 <222> LOCATION: (6)..(6)  
20 <223> OTHER INFORMATION: n is ACG or T in a highly degenerate oligonucleotide sequence  
W--> 21 <400> SEQUENCE: 1  
W--> 22 aragtnytdy chcmrggh 18  
23 <210> SEQ ID NO: 2  
24 <211> LENGTH: 18  
25 <212> TYPE: DNA  
26 <213> ORGANISM: Homo sapiens  
W--> 27 <220> FEATURE:  
28 <221> NAME/KEY: misc\_feature  
29 <222> LOCATION: (1)..(1)  
30 <223> OTHER INFORMATION: n is ACG or T in a highly degenerate oligonucleotide sequence  
W--> 31 <400> SEQUENCE: 2  
W--> 32 nwddmkdtya tcmayrwa 18  
33 <210> SEQ ID NO: 3  
34 <211> LENGTH: 21  
35 <212> TYPE: DNA  
36 <213> ORGANISM: Homo sapiens  
W--> 37 <220> FEATURE:  
38 <221> NAME/KEY: misc\_feature  
39 <222> LOCATION: (1)..(21)  
40 <223> OTHER INFORMATION: primer sequence allows amplification of reverse  
41 transcriptase-related sequences by multiplex PCR  
W--> 42 <400> SEQUENCE: 3  
43 tkkammskvy trcyhcargg g 21  
44 <210> SEQ ID NO: 4  
45 <211> LENGTH: 21

ENTERED

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/009,705C

DATE: 04/22/2003  
TIME: 16:47:04

Input Set : A:\Seifarth2ST25.txt  
Output Set: N:\CRF4\04222003\J009705C.raw

46 <212> TYPE: DNA  
47 <213> ORGANISM: Homo sapiens  
W--> 48 <220> FEATURE:  
49 <221> NAME/KEY: misc\_feature  
50 <222> LOCATION: (1)..(21)  
51 <223> OTHER INFORMATION: PRIMER SEQUENCE ALLOWS AMPLIFICATION OF REVERSE  
52 TRANSCRIPTASE-RELATED SEQUENCES BY MULTIPLEX PCR  
54 <400> SEQUENCE: 4  
55 mdvhdrbmdk ymayvyahkk a

21

RAW SEQUENCE LISTING ERROR SUMMARY  
PATENT APPLICATION: US/10/009,705C

DATE: 04/22/2003  
TIME: 16:47:05

Input Set : A:\Seifarth2ST25.txt  
Output Set: N:\CRF4\04222003\J009705C.raw

Please Note:

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Seq#:1; N Pos. 6  
Seq#:2; N Pos. 1